

CLAIMS:

1. – 9. (canceled)

10. (currently amended) An apparatus multiple DC output voltage DC/DC converter comprising:

a transformer including a primary coil and a first secondary coil ~~that are~~ coupled to the primary coil one another by magnetic induction; and

a switch ~~that is~~ connected to the primary coil ~~and that controls current switching therein;~~

a first rectifier circuit connected to the primary coil to generate wherein a first DC output voltage of the multiple DC output voltage DC/DC converter is generated from the primary coil and disconnected from the first secondary coil, and

a second rectifier circuit connected to the first secondary coil to generate a second DC output voltage of the multiple DC output voltage DC/DC converter is generated from the secondary coil.

11. (canceled)

12. (currently amended) ~~A converter~~ The apparatus according to Claim 10 ~~wherein the first rectifier circuit comprises a first diode and a first capacitor and wherein the second rectifier circuit comprises a second diode and a second capacitor.~~

13. (currently amended) ~~A converter~~ The apparatus according to Claim 10 further comprising an inductor that is coupled across the primary coil and coupled to the first rectifier circuit, wherein the first DC output voltage of the multiple DC output voltage DC/DC converter is generated from the primary coil and from the inductor.

14. (canceled)

15. (canceled)

16. (currently amended) ~~A converter~~ The apparatus according to Claim 13~~4~~⁵ wherein the first rectifier circuit comprises a first diode and a first capacitor and wherein the second rectifier circuit comprises a second diode and a second capacitor.

17. (currently amended) ~~A converter~~ The apparatus according to Claim 10 further comprising:

an input voltage port that is connected to the primary coil to provide an externally provided DC input voltage to the primary coil.

18. (currently amended) ~~A converter~~ An apparatus according to Claim 14 further comprising:

an input voltage port that is connected to the primary coil to provide an externally provided DC input voltage to the primary coil.

19. (new) The apparatus according to Claim 10 wherein the transformer further comprises a second secondary coil coupled in series to the first secondary coil and coupled to the primary coil by magnetic induction, and the apparatus further comprises a third rectifier circuit connected to the second secondary coil to generate a third DC output voltage.

20. (new) The apparatus according to Claim 19 wherein a node between the first secondary coil and the second secondary coil has a fixed voltage.

21. (new) The apparatus according to Claim 20 wherein the node between the first secondary coil and the second secondary coil is grounded.

22. (new) The apparatus according to Claim 19 wherein each of the first, second, and third rectifier circuits comprises a diode and a capacitor.

23. (new) The apparatus according to Claim 22 wherein the diode of the second rectifier circuit is connected in a forward direction from the first secondary coil, and the diode of the third rectifier circuit is connected in a reverse direction from the second secondary coil.

24. (new) The apparatus according to Claim 19 further comprising an inductor coupled in parallel to the primary coil and connected to the first rectifier circuit.